

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Elahe Houshmand

Name:	Louisville Bedding Company
Address:	660 National Turnpike, Munfordville, KY, 42420
Date application received:	June 24, 2003
SIC/Source Description:	2392/Miscellaneous Fabricated Textile Products
Plant ID number:	21-099-00008
A.I. number:	38414
Activity number:	APE20030001
Permit number:	F-06-053

APPLICATION TYPE/PERMIT ACTIVITY:

- | | |
|----------------------------------------------------|-------------------------------------------------------|
| <input type="checkbox"/> Initial issuance | <input type="checkbox"/> General permit |
| <input type="checkbox"/> Permit modification | <input checked="" type="checkbox"/> Conditional major |
| __Administrative | <input type="checkbox"/> Title V |
| __Minor | <input type="checkbox"/> Synthetic minor |
| __Significant | <input checked="" type="checkbox"/> Operating |
| <input checked="" type="checkbox"/> Permit renewal | <input type="checkbox"/> Construction/operating |

COMPLIANCE SUMMARY:

- | | |
|---------------------------------------------------------------------|-------------------------------------------------------|
| <input type="checkbox"/> Source is out of compliance | <input type="checkbox"/> Compliance schedule included |
| <input checked="" type="checkbox"/> Compliance certification signed | |

APPLICABLE REQUIREMENTS LIST:

- | | | |
|------------------------------|----------------------------------|-----------------------------------------|
| <input type="checkbox"/> NSR | <input type="checkbox"/> NSPS | <input checked="" type="checkbox"/> SIP |
| <input type="checkbox"/> PSD | <input type="checkbox"/> NESHAPS | <input type="checkbox"/> Other |

Miscellaneous:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

Emissions Summary:

Pollutant	Actual (TPY) EIS-Yr 2005	Allowable	Potential (TPY)
PM/PM10	0.102	<2.34 lbs/hr	0.595
SO ₂	0.005		0.047
NO _x	0.851		7.83
CO	0.179		6.58
VOC	22.1	≤ 90 TPY	115

Source Description:

Louisville Bedding Company operates low-melt process lines for the manufacture of mattress pads. A polyester fiber is mixed with a low-melting copolymer, rolled into sheets, heated to 320° F, cut to size, and collected on take-up spools. The polyester to copolymer blend is approximately 82-85% polyester and the remainder copolymer.

Louisville Bedding has submitted an application for a permit renewal. There has been no change in process and materials from the current permit, F-98-03. The only change is removal of the gluing stations that is listed on the current permit as an insignificant activity.

Louisville Bedding's potential VOC emission is over the 100 tons / yr threshold. The facility has requested that enforceable limit be placed on their actual VOC emissions so that the company can be considered a conditional major for VOC.

Emission and Operating Caps description:

See Permit Statement Of Basis.